ABSTRACT OF DISCLOSURE

Image signals output from a linear image sensor
which outputs charges accumulated in pixels in the
5 right-side area and charges accumulated in pixels in the
left-side area via different channels are subjected to
discrepancy correction. First, a gray reference board is
scanned by the linear image sensor while changing
charging periods, and look up tables for converting
10 signal levels of the respective channels are generated
on the basis of signal levels obtained by scanning the
gray reference board. A discrepancy correction is
realized by converting levels of image signals output
from the two terminals using the look up tables.

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